Access Layer Switch Trunk



Overview

A switch port can work in two modes: access mode and trunk mode. In access mode, it removes vlan information from frames before forwarding them. Based on the configured mode, it is known as either an access port or a trunk. Ethernet interfaces can be configured either as access ports or trunk ports. Trunks carry the traffic of multiple VLANs over a single link and allow you to extend VLANs across the network. Cisco NX-OS supports only IEEE 802. 1Q-type VLAN trunk encapsulation. Frames are handled differently according to the type of link they are traversing.

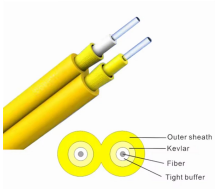


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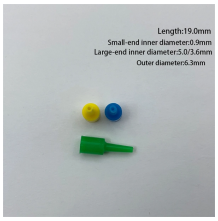
Access Layer Switch Trunk



This tutorial explains access ports and trunk ports in detail. Learn the differences between Cisco access ports and trunk ports.



Access switches connect upstream using 802.1Q trunks, carrying many VLANs. Layer 3 lives in the distribution or core, usually via SVIs and a FHRP (HSRP/VRRP/GLBP).



Trunk ports are used to connect switches to each other, which allows for the creation of a larger, more flexible network. Trunk ports can carry traffic for multiple VLANs, which provides greater ...



Confused about trunk vs access ports? Learn the differences, when to use each, and real-world examples.



Use Trunk Mode when connecting network infrastructure devices like switches, routers, or firewalls that need to communicate with multiple VLANs over the same physical link.

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Figuring out whether to configure a port as a trunk or access port is a matter of asking yourself a couple of questions. Does the end to end link only carry traffic for one VLAN?



What is the difference between an access port and a trunk port? Learn how switches process 802.1Q tags, handle native VLANs, and configure Cisco CLI switchports.



The interfaces (ports) of network switches (specifically Cisco switches) can be configured as Access Ports and Trunk Ports. If the switch is Layer 3, then they can also be configured as Layer 3 routed ...



Trunk ports facilitate the transfer of multiple VLAN traffic streams across switches, while access ports enable data transmission within a specific VLAN. Each port has its own strengths and ...



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	Ethernet interfaces can be configured either as access ports or trunk ports. Trunks carry the traffic of multiple VLANs over a single link and allow you to extend VLANs across the network.

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